

# Certificate of Analysis

## Reference Material & Standard

|                      |                       |                            |                                           |
|----------------------|-----------------------|----------------------------|-------------------------------------------|
| <b>Product Name:</b> | Aflatoxin B1,G1,B2,G2 | <b>Catalogue Number:</b>   | MCFD201716-AL                             |
| <b>Appearance:</b>   | Colourless Liquid     | <b>Lot Number:</b>         | 1219-RG-0077                              |
| <b>Solvent:</b>      | Acetonitrile          | <b>Storage:</b>            | -20°C±5°C Protected from light and Sealed |
| <b>Expiry Date:</b>  | Dec 17, 2029          | <b>Shipping Condition:</b> | Shipping with Ice Packs                   |

**Chemical Structure:**

N/A

**Warning:**



| NO. | Component    | CAS No.   | Certified Concentration Value<br>(µg/mL) | Uncertainty<br>(%) |
|-----|--------------|-----------|------------------------------------------|--------------------|
| 1   | Aflatoxin G2 | 7241-98-7 | 0.3                                      | 2                  |
| 2   | Aflatoxin B1 | 1162-65-8 | 1.0                                      | 2                  |
| 3   | Aflatoxin G1 | 1165-39-5 | 1.0                                      | 2                  |
| 4   | Aflatoxin B2 | 7220-81-7 | 0.3                                      | 2                  |

## Comment:

The uncertainty values are the expanded uncertainty and represent an estimated standard deviation equal to the positive square root of the total variation of the uncertainty of components. A normal distribution is assumed and a coverage factor of K=2 is chosen using approximately a 95% confidence level.

**Signature:**

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